Variability in the Insecticidal Protein Concentration within Transformed *Coffea canephora* Observed in a Field Experiment

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SUMMARY

A field trial of transformed *Coffea canephora* for the synthesis of the Bt protein cry1Ac against coffee South-American leaf miner was performed in French Guiana. Almost all the transformed clones were highly resistant against *Leucoptera coffeella*. The strategy of plant selection requires the creation of lines synthesizing large amounts of insecticidal protein. The transgenic protein in the leaves of 15 independent transformed clones was quantified once. A significant variability in the transgenic protein concentration was seen among the clones. The potential of the used genetic construct seems interesting.